

# Nicolas Morga

## Senior Software Engineer

Fermont, QC G0G 1J0 • nicolasmorga514@gmail.com • + 1(438)780-9084

### SKILLS

---

**Frontend:** HTML, CSS, JavaScript, Typescript, React.js, React Native, Next.js, Vue.js, Nuxt.js, Angular, Server Side Rendering, Bootstrap, Tailwind CSS, Redux, Vuex, MUI, Vuetify, Ant Design, D3.js, ApexCharts.js

**Backend:** Nodejs, ExpressJs, NestJs, GraphQL

**Database:** MySQL, PostgreSQL, MS SQL Server, MongoDB

**Testing Frameworks:** Unit testing (Jest, Enzyme), E2E testing (Cypress, Playwright)

**Architecture:** Microfrontend, Monorepo, Atomic Design

**Other:** WebRTC, Swagger, Formik, Webpack, Agile, Restful API, SEO, Figma, Sketch, Adobe, A/B testing, Redis, Stripe, React Query, Apollo, DataDog, Amplitude

**Cloud/DevOps:** AWS, GCP, Azure, CI/CD (Jenkins, CircleCI, etc), Docker and Kubernetes

**Blockchain:** Ethereum, Polygon, web3.js, ethers.js, Moralis.io, IPFS

### PROFESSIONAL EXPERIENCE

---

#### ONE CONCERN

<https://oneconcern.com/>

**Senior Full-stack Developer**

**Jan 2023 - Apr 2024**

**Tech stacks:** React, React Hooks, Go, JavaScript ES6, TypeScript, AWS Dynamo, AWS Lambda, AWS S3, Material UI, Apollo/GraphQL, Mapbox GL, GCP, Docker, Kubernetes, Jest

Led the development of an AI-based resilience software platform, pioneering analysis at the intersection of Climate Risk and Financial Risk across Capital Markets, Insurance, and Real Estate sectors.

**Key achievements include:**

- Engineered well-structured architectural and technical solutions, resulting in a 50% improvement in platform scalability and a 40% increase in performance.
- Implemented Amplitude analytics, leading to a 25% improvement in application usage tracking accuracy and providing invaluable insights into user behavior.
- Executed a successful migration from Enzyme to React Testing Library and Jest, elevating test coverage to over 85% and enhancing software reliability.
- Collaborated as a vital team member in securing the company's recognition as one of the top green tech companies, contributing to a 30% increase in brand visibility and industry reputation.
- Presented groundbreaking insights at the UN Climate Change Conference, impacting over 500 industry professionals and garnering global recognition for One Concern's innovative approach to climate resilience.

#### NIFTY LEAGUE

<https://niftyleague.com/>

**Lead Frontend Developer**

**Jun 2022 – Dec 2022**

**Tech stacks:** React, React Native, Next.js, Node.js/Express, JavaScript ES6, MUI v5, PostgreSQL, Typescript, Web3.js, Jest  
Built a NFT gaming platform which inspire indie game developers to build a decentralized future with us by establishing a game studio focused on unparalleled quality and player experiences

**Noteworthy achievements include:**

- Successfully launched the Nifty League website with a funny animation and beautiful UI/UX
- Implemented gaming leaderboards and gamer profile to engage users
- Supported UI/UX for launching several games
- Implemented web3 integrations

**BINANCE**

**Lead Full-stack Developer**

**Mar 2021 – May 2022**

**Tech stacks:** React, React Native, Node.js/Express, JavaScript ES6, Micro Frontend, MUI v5, Firebase, Typescript, Elastic Search, Jest, NFT, Web3.js, Wagmi, Smart Contract, PostgreSQL, AWS

**Noteworthy achievements include:**

- Successfully completed 4+ projects (NFT marketplace, NFT metaverse, DEX, DeFi Lending Protocol), delivering high-quality results within the agreed deadlines.
- Collaborated closely with cross-functional teams to ensure alignment of project objectives and facilitate seamless communication throughout all stages of project execution.
- Demonstrated proficiency in problem-solving by thoroughly researching and analyzing potential solutions for project complexities.
- Led a skilled team of 5, specializing in web3 integration, to effectively integrate blockchain technology and enhance the capabilities of the applications.

**COBBLESTONE SOFTWARE**

**Senior Full-stack Developer**

**May 2018 – Feb 2021**

**Tech stacks:** React, React Native, Node.js/Express, JavaScript ES6, Apollo/GraphQL, MUI v5, Twilio, MySQL, Typescript, AWS Lambda, AWS S3, AWS SNS/SQS, Jest

Built a Boston-area local community social web and mobile app.

**Noteworthy achievements include:**

- Orchestrated remote collaboration with cross-functional teams to implement pixel-perfect, responsive web and mobile apps.
- Applied SEO principles to enhance user experience, usability, and traffic.
- Implemented intuitive application and dashboard elements in collaboration with the Design team.
- Curated local and global news and alerts from social apps.
- Developed targeted email marketing journeys to nurture leads and drive conversions.

**GLOBAL HEALTH GROUP**

## **Full-stack Developer**

**Jun 2016 – Mar 2018**

**Tech stacks:** React, React Native, Node.js/Express, JavaScript ES6, Apollo/GraphQL, MUI v5, Twilio, MySQL, Typescript, AWS Lambda, AWS S3, AWS SNS/SQS, Jest

Spearheaded the development of telehealth video consulting applications facilitating seamless communication between clinicians and patients.

### **Noteworthy achievements include:**

- Independently constructing web and mobile telehealth applications from inception, resulting in a 30% increase in user engagement within the first quarter.
- Implemented GraphQL based queries and mutations using Apollo server, optimizing data retrieval processes by 40%.
- Fostered collaboration between cross-functional teams, including product and marketing, leading to a 25% improvement in feature alignment with market needs.
- Integrated Martti and Twilio for language access and video conferencing functionalities, resulting in a 50% reduction in communication barriers for non-English-speaking patients.

## **TRESTA**

### **Frontend Developer**

**Apr 2014 - May 2016**

**Tech stacks:** React, Typescript, React Hooks, Node.js/Express, AWS S3, AWS Lambda, SEO, MySQL

Spearheaded the development of a flexible virtual phone system accessible across all devices.

### **Key achievements include:**

- Facilitated seamless collaboration with diverse partners and stakeholders, resulting in a 20% increase in project efficiency and alignment with strategic objectives.
- Led the migration of the original PHP-based product to a React application, resulting in a 40% improvement in user interface responsiveness and a 30% reduction in page load times.
- Implemented SEO strategies, resulting in a 25% increase in app performance metrics and a 15% boost in organic traffic.
- Demonstrated advanced proficiency in agile best practices, streamlining project workflows and deployment processes, resulting in a 50% reduction in release cycle times.
- Exhibited expertise in sprint/release cycles, achieving a 20% improvement in team productivity and adherence to project timelines.

## **FRANCIS KIM DIGITAL DEVELOPMENT**

### **Junior Web Developer**

**May 2013 - Feb 2014**

### **Key achievements include:**

- Developed a front-end widget deployed as a single external script to HTML pages, functioning as a comprehensive library utilizing vanilla JavaScript and jQuery.
- Engineered a robust web scraping and browser control application utilizing Puppeteer and Apify for automated site management.
- Optimized front-end components utilizing Webpack and various compression tools like JPEGmini, resulting in a 50% decrease in page load times and a 20% increase in overall website performance.
- Successfully integrated Elasticsearch with existing MySQL databases, improving database handling and query performance.

- Spearheaded the development of a real-time chatting platform featuring an AI-based chatbot using Socket.IO and Dialogflow.

## **EDUCATION**

---

**NATIONAL UNIVERSITY OF SINGAPORE**

*Bachelor of Computer Science*

**2007 - 2013**